PROJECT DESCRIPTION

THIS PROJECT INVOLVES THE MODIFICATION OF THE EXISTING TRAFFIC CONTROL SIGNAL AT THE INTERSECTION OF MD 124 AND GOSHEN ROAD IN MONTGOMERY COUNTY, MD 124 IS ASSUMED TO RUN IN AN EAST-WEST DIRECTION. THIS PROJECT INVOLVES THE INSTALLATION OF PEDESTRIAN EQUIPMENT, VIDEO DETECTION CAMERA, AND BASE MOUNTED CABINET AND CONTROLLER.

INTERSECTION OPERATION

THE CONTROLLER CURRENTLY OPERATES IN AN EIGHT-PHASE, FULLY ACTUATED MODE WITH EXCLUSIVE LEFT TURN PHASES FOR EASTBOUND MD 124 AND FOR BOTH APPROACHES OF GOSHEN ROAD, AN EXCLUSIVE-PERMISSIVE EXISTS FOR WESTBOUND MD 124.

AN ALTERNATE PEDESTRIAN PHASE EXISTS ACROSS THE WEST LEG OF MD 124 AND A CONCURRET PEDESTRIAN PHASE EXISTS ACROSS THE NORTH LEG OF GOSHEN ROAD.

THE PHASING WILL BE CHANGED TO INCLUDE AN ALTERNATE PEDESTRIAN PHASE ACROSS THE EAST LEG OF MD 124.

CONTROLLER REQUIREMENTS

INSTALL A NEMA SIZE "6" BASE MOUNTED CABINET AND CONTROLLER WITH 6 (SIX) FOUR CHANNEL, TIME-DELAY-OUTPUT LOOP DETECTOR AMPLIFIER, VIDEO DETECTION INTERFACE EQUIPMENT AND ALL OTHER NECESSARY EQUIPMENT.

3 CHANGE | SR- | SR- | R | R | R | R | R | SR- | PHASE 4 & 8 ALT. | SR- | SR- | R | R | R | R | R | R | G | G | SR- | G | G | DW | DW | DW | DW | WK | WK FLASHING OPERATION | FL/R | FL/R | FL/Y | FL/Y | FL/Y | FL/Y | FL/Y | FL/R | GARK | DARK | DA

PHASE CHART

EQUIPMENT LIST "A"

A EQUIPMENT TO BE FURNISHED AND/OR INISTALLED BY MONTGOMERY COUNTY

QUANTITY	DESCRIPTION
1 EA 1 EA 6 EA	BASE MOUNTED CABINET AND CONTROLLER CONTROL AND DISTRIBUTION EQUIPMENT FOUR CHANNEL, TIME-DELAY-OUTPUT, LOOP DETECTOR AMPLIFIE

CONTACT PERSONS FOR DISTRICT 3 ARE AS FOLLOWS:

MR, LEE STARKLOFF ASSISTANT DISTRICT ENGINEER - TRAFFIC (301) 513-7318

MR. AUGIE REBISH

ASSISTANT DISTRICT ENGINEER - UTILITIES (301) 513-7350

MR. Wilhelm Derminassian MONTGOMERY COUNTY D.P.W. (240) 777-87**95**

CONTACTS FOR OFFICE OF TRAFFIC AND SAFETY

MR. RICHARD DAFF, SR. CHIEF, TRAFFIC OPERATIONS (410) 787–7630

MR. ROBERT SNYDER

ASSISTANT DIVISION CHIEF, TRAFFIC OPERATIONS (410) 787–7631

MR. ED RODENHIZER TEAM LEADER SIGNAL OPERATIONS (410) 787–7652

MR. EUGENE BAILEY TEAM LEADER SIGN OPERATIONS (410) 787-7676

MS. DARLENE EIDE SUPPLY OFFICE SIGNAL SHOP WAREHOUSE (410) 787-7668

QUANTITY	DESCRIPTION
1 EA	BASE MOUNTED CABINET AND CONTROLLER
1 EA	CONTROL AND DISTRIBUTION EQUIPMENT
6 EA	FOUR CHANNEL, TIME-DELAY-OUTPUT, LOOP DETECTOR AMPLIFIER

MR. WAYNE MOWDY

(301) 513-7304

ASSISTANT DISTRICT ENGINEER - MAINTENANCE

CONTACT PERSON FOR MONTGOMERY COUNTY

EQUIPMENT LIST "C"

EQUIPMENT LIST "B"

ITEM NO.

8052

APPROVAL PRIOR TO INSTALLATION.

QUANTITY

1 EA

3 EA

4 EA

1 EA

2 EA

2 EA

3 EA

1 EA

1 EA

90 LF

4 CY

35 LF

3 EA

3 EA

630 LF

630 LF

50 LF

1 EA

150 LF

B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY CONTRACTOR

ALL EQUIPMENT SHALL HAVE CATALOG CUTS SUBMITTED TO OOTS FOR

DESCRIPTION

THERMOPLASTIC PAVEMENT MARKING

THERMOPLASTIC PAVEMENT MARKING

FURNISH AND INSTALL PEDESTAL POLE

(NO. 6 A.W.G.)

10 FT. LENGTH)

NO. 14 AWG

NO. 14 AWG

FOR DETECTOR SLEEVE

PVC CONDUIT - TRENCHED

REMOVE EXISTING PAVEMENT MARKING LINE

FURNISH AND INSTALL 12 IN. WHITE HEAT APPLIED PERMANENT

FURNISH AND INSTALL 24 IN. WHITE HEAT APPLIED PERMANENT

FURNISH AND INSTALL 500 FT. VIDEO CABLE TO CONTROLLER

FURNISH AND INSTALL 12 IN PEDESTRIAN SIGNAL HEAD SECTION

FURNISH AND INSTALL 15 FT. STREET LIGHTING ARM FOR SIGNAL

FURNISH AND INSTALL MICRO-LOOP PROBE SET WITH 500 FT.

FURNISH AND INSTALL PEDESTRIAN PUSHBUTTON AND SIGN

FURNISH AND INSTALL CONCRETE FOR SIGNAL FOUNDATION

FURNISH AND INSTALL 1 IN. GALVANIZED STEEL CONDUIT

FURNISH AND INSTALL GROUND ROD (3/4 IN DIAMETER X

FURNISH AND INSTALL ELECTRICAL CABLE 2-CONDUCTOR

FURNISH AND INSTALL ELECTRICAL CABLE 3-CONDUCTOR

FURNISH AND INSTALL SAW CUT FOR LOOP DETECTOR

INSTALL BASE MOUNTED CABINET AND CONTROLLER

FURNISH AND INSTALL 2 IN SCHEDULE 80 RIGID ELECTRICAL

FURNISH AND INSTALL ELECTRICAL HANDHOLE

FURNISH AND INSTALL STRANDED BARE COPPER GROUND WIRE

FURNISH AND INSTALL VIDEO DETECTION CAMERA

FURNISH AND INSTALL VIDEO INTERFACE EQUIPMENT

FURNISH AND INSTALL CONDUIT BEND IN EXISTING FOUNDATION

FURNISH AND INSTALL 4 IN. SCHEDULE 80 RIGID ELECTRICAL PVC CONDUIT - BORED

FURNISH AND INSTALL 4 IN. SCHEDULE 80 RIGID ELECTRICAL PVC CONDUIT - TRENCHED

ADJUST EXISTING HANDHOLE TO FINAL GRADE W/COLLAR

MAINTENANCE OF TRAFFIC

C. EXISTING EQUIPMENT TO BE REMOVED BY THE CONTRACTOR SHALL BECOME THE PROPERTY OF THE CONTRACTOR EXCEPT FOR THE FOLLOWING.

ITEM NO. NONE

QUANTITY

DESCRIPTION

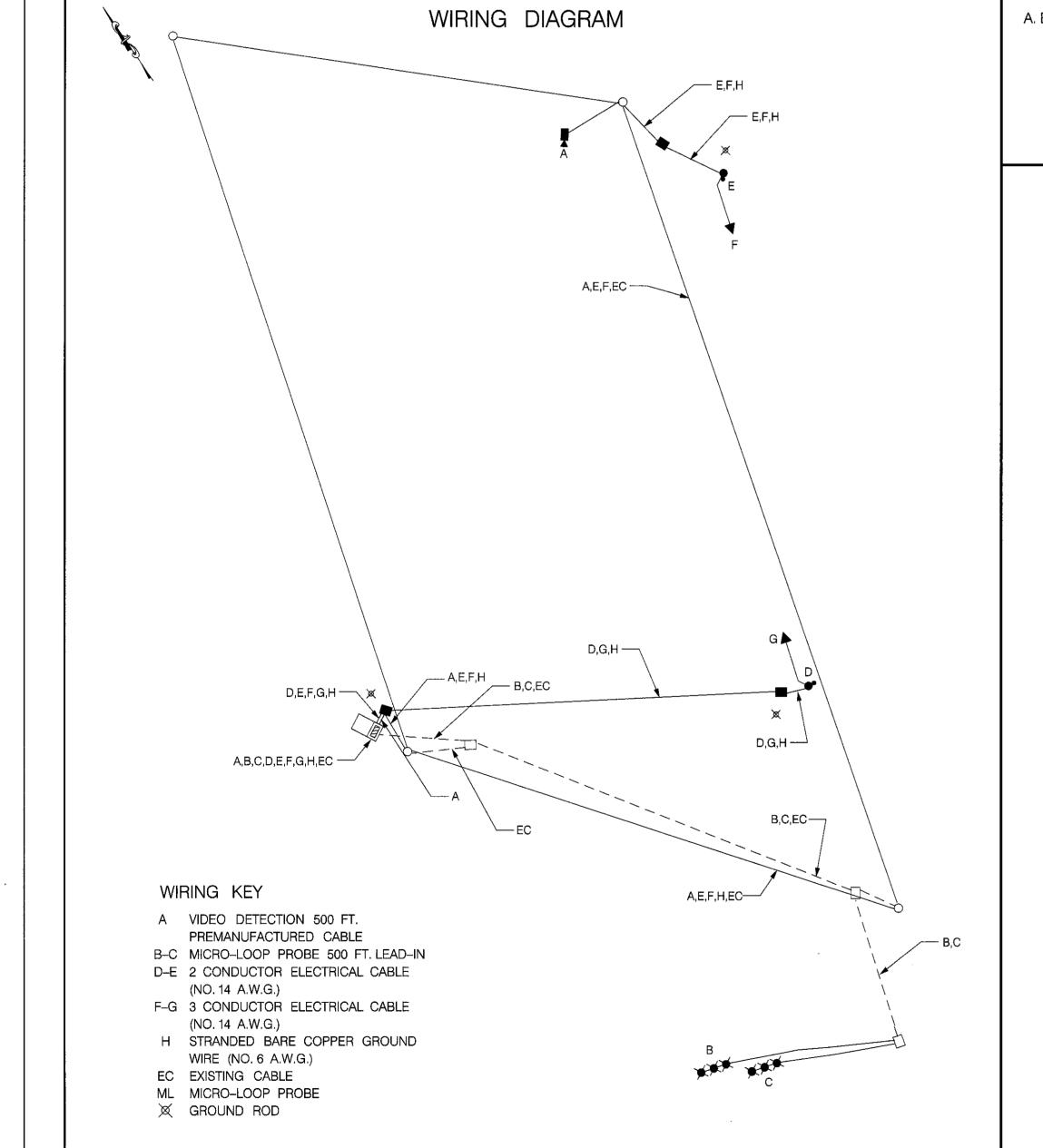
325 Gambrills Road Suite E Gambrills, MD 21054 (410) 923-7101

MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic 2 C C Office of Traffic & Safety TRAFFIC ENGINEERING DESIGN DIVISION GENERAL INFORMATION MD 124 AT GOSHEN ROAD

DRAWN BY:	M.HOWELL	F.A.P.
CHECKED BY:		S.H.A.
SCALE:		COUNT
DATE:	7/28/2004	LOG M
•		

2413B-61 BW996M82 MONTGOMERY T.I.M.S. NO. 15522105.57

SHEET NO.



TRAFFIC CONCEPTS, INC.